

WHAT IS CLAIMED IS:

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1. A data processing device comprising:
a read-only memory;
a flash memory capable of modifying information stored therein and adding
information thereto;
5 a central processing unit performing data processing using information stored
in said read-only memory and said flash memory;
an information storage area provided in said flash memory for storing
predetermined modifiable information among the information used by said central
processing unit for data processing;
10 an address storage area provided in said flash memory for storing at least the
address of the information stored in said information storage area; and
an address-modification control unit for, after at least one of modification of
modifiable information stored in said information storage area and addition of
modifiable information to said information storage area, and in accordance with said
15 one of the modification of the information and addition of the information,
performing one of modification of the address of the information stored in said
address storage area and addition of the address of the information to said address
storage area,
whereby the information used by said central processing unit for data
20 processing can be freely modified or added.

2. A data processing device comprising:
a read-only memory;
a flash memory capable of modifying information stored therein and adding
information thereto;
5 a central processing unit performing data processing using information stored

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in said read-only memory and said flash memory;

an information storage area provided in said read-only memory for storing information used by said central processing used for data processing;

10 an address storage area provided in said flash memory for storing at least the address of predetermined modifiable information among the information stored in said information storage area;

a modified-information storage area provided in said flash memory for storing modified modifiable information; and

15 an address-modification control unit for, after the modified modifiable information is stored in said modified-information storage area of said flash memory, and in accordance with the modification of the information, modifying the address of the information stored in said address storage area,

whereby the information of said central processing unit used for data processing unit can be freely modified or added.

3. A data processing device comprising:

a read-only memory;

a flash memory capable of modifying information stored therein and adding information thereto;

5 a central processing unit performing data processing using information stored in said read-only memory and said flash memory;

an information storage area provided in said read-only memory for storing information used by said central processing unit for data processing;

10 a modified-information storage area provided in said flash memory for storing modified predetermined modifiable information among the information stored in said information storage area; and

an information-modification determining unit for determining whether modified information is stored in said modified-information storage area,

wherein, when said information-modification determining unit determines
15 that the modified information is stored in said modified-information storage area of
said flash memory, said central processing unit is arranged to perform data
processing in accordance with the modified information stored in said flash memory
instead of information stored in said read-only memory.

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4. A method in a data processing device comprising:
a read-only memory;
a flash memory capable of modifying information stored therein and adding
information thereto;
5 a central processing unit performing data processing using information stored
in said read-only memory and said flash memory;
an information storage area in said flash memory; and
an address storage area in said flash memory;
said method comprising the steps of:
10 storing in said information storage area predetermined modifiable
information among the information used by said central processing unit for data
processing;
storing in said address storage area at least the address of the information
stored in said information storage area;
15 performing at least one of modification of modifiable information stored in
said information storage area and addition of modifiable information to said
information storage area; and
then, in accordance with said one of modification of the information and
addition of the information, performing one of modification of the address of the
20 information stored in said address storage area and addition of the address of the
information to said address storage area,
whereby the information used by said central processing unit for data

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4) processing can be freely modified or added.

5. A method in a data processing device comprising:
a read-only memory;
a flash memory capable of modifying information stored therein and adding
information thereto;
5 a central processing unit performing data processing using information stored
in said read-only memory and said flash memory;
an information storage area in said read-only memory;
an address storage area in said flash memory; and
a modified-information storage area in said flash memory;
10 said method comprising the steps of:
storing in said information storage area information used by said central
processing unit for data processing;
storing in said address storage area at least the address of predetermined
modifiable information among the information stored in said information storage
15 area;
storing modified modifiable information in said modified-information storage
area; and
after the modified modifiable information is stored in said modified-
information storage area of said flash memory, and in accordance with the
20 modification of the information, modifying the address of the information stored in
said address storage area,
whereby the information of said central processing unit used for data
processing unit can be freely modified or added.

6. A method in a data processing device comprising:
a read-only memory;

a flash memory capable of modifying information stored therein and adding information thereto;

5 a central processing unit performing data processing using information stored in said read-only memory and said flash memory;

an information storage area in said read-only memory; and

a modified-information storage area in said flash memory;

said method comprising the steps of:

10 storing in said information storage area information used by said central processing unit for data processing;

storing, in said modified-information storage area, modified predetermined modifiable information among the information stored in said information storage area;

15 determining whether modified information is stored in said modified-information storage area; and

when said modified information is stored in said modified-information storage area of said flash memory, performing data processing in said central processing unit in accordance with the modified information stored in said flash memory instead of information stored in said read-only memory.

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